

REMARKS

RECEIVED
CENTRAL FAX CENTER
SEP 11 2006

The specification has been amended at paragraph 0054 to remove the reference to table III and substitute reference to table IV.

Claims 1-6, 10-16, and 20 are in this application. Claims 7-9 and 17-19 have been canceled.

Claims 1-6, 10-16 and 20 have been amended.

Claims 1-6 and 20 have been rejected under 35 U.S.C. 101.

Claims 1-6 and 20 have been amended to recite specific output as disclosed at paragraph 0030 and in Figure 8.

Claims 1-6, 10-16 and 20 are rejected under 35 U.S.C. 112 first and second paragraphs for failure to describe steps for determining **functional** similarity between portions of gene expression profiles.

Claims 1-6, 10-16 and 20 have been amended to remove the word functional from the preamble.

CHA9 2003 0003 US1
Serial No: 10/829,448
Filed: July 29, 2003

-17-

Accordingly it is believed that the claims are now clear and definite and are drawn to a novel and unobvious way of clustering gene expression profiles without implying that a cluster represents a functional similarity.

Respectfully submitted,

B. P. Kelkar et al.

By 

Karl O. Hesse
Registration No. 25,398
IBM Corporation
Intellectual Property Law
Dept. QPZA/MD-90
8501 IBM Drive
Charlotte, N.C. 28262-8563
Phone (704) 895-8241
Fax (704) 594-8307

CHA9 2003 0003 US1
Serial No: 10/829,448
Filed: July 29, 2003

-18-